

CLAIMS

1. A tire reinforcing layer forming device forming a tire reinforcing layer on an outer peripheral surface of a drum, the tire reinforcing layer forming device comprising:
 - a drum able to rotate in both forward and reverse directions;
 - conveying means for conveying, toward the drum, a strip-shaped reinforcing material in which a plurality of cords, which are aligned parallel to one another, are rubber coated;
 - cutting means for cutting the reinforcing material obliquely with respect to a transverse direction;
 - a first conveying path provided at a reinforcing material conveying direction downstream side of the cutting means, and guiding the reinforcing material toward one side in a peripheral direction of the drum;
 - a second conveying path provided at the reinforcing material conveying direction downstream side of the cutting means, and guiding the reinforcing material toward another side in the peripheral direction of the drum;
 - distributing means for distributing the reinforcing material, which has been cut, to one of the first conveying path and the second conveying path; and
 - axial direction moving means moving at least the first conveying path and the second conveying path along an axial direction of the drum.
2. The tire reinforcing layer forming device of claim 1, wherein a reinforcing material exit of the first conveying path is inclined with respect to the axial direction of the drum, and a reinforcing material exit of the second conveying path is inclined in a direction opposite the reinforcing material exit of the first conveying path.

3. The tire reinforcing layer forming device of claim 1, comprising:

first moving means for moving at least the first conveying path and the second conveying path in a radial direction orthogonal to the axial direction of the drum, and in directions of approaching and moving away from the drum;

first moving means for moving at least the first conveying path and the second conveying path in directions of approaching and moving away from the drum which are orthogonal to the axial direction of the drum; and

second moving means for moving at least the first conveying path and the second conveying path in a direction orthogonal to both a moving direction by the first moving means and the axial direction of the drum.